Bachelor of Science in Chemistry (Starting with Precalculus)

Required Semester Credit Hours (SCH): 120

The sample four-year degree plan below starts with MATH 1508 (Precalculus). MATH 1508 is a prerequisite and does not count toward the required 120 SCH to complete the degree. Refer to the University Catalog for all degree requirements at catalog.utep.edu. Many core curriculum courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability. The flowchart below may not reflect all student schedules; courses can be shifted to different semesters where applicable.

**University Core Curriculum**
- **RWS 1301** Rhetoric & Composition I (3SCH) (F/Sp)
- **PHIL 2306** Ethics (3SCH) (F/Sp)
- **SCI 1301** Inquiry to Math and Science (4SCH) (F/Sp)

**Major Courses**
- **MATH 1508** Precalculus (5SCH) (F/Sp)
- **RWS 1302** Rhetoric & Composition II (3SCH) (F/Sp)

**Sophomore Year**
- First Semester (15 SCH)
  - **COMM 1301** Public Speaking (3SCH) (F/Sp)
  - **SCI 1306 + 1106** General Chemistry I + Lab (4SCH) (F/Sp)
  - **MATH 1411** Calculus I (3SCH) (F/Sp)

- Second Semester (17 SCH)
  - **CHEM 1401 + 1101** Organic Chemistry I + Lab (4SCH) (F/Sp)
  - **CHEM 1402 + 1102** Organic Chemistry II + Lab (4SCH) (F/Sp)
  - **PHYS 1401 + 1101** Introductory Mechanics & Lab (4SCH) (F/Sp)

**Junior Year**
- First Semester (17 SCH)
  - **CHEM 2311 + 2211** Analytical Chemistry + Lab (4SCH) (F/Sp)
  - **CHEM 2312 + 2212** Biochemistry I + Lab (4SCH) (F/Sp)
  - **RWS 1302** Rhetoric & Composition II (3SCH) (F/Sp)

- Second Semester (19 SCH)
  - **CHEM 3301 + 3101** Molecular Modeling (3SCH) (F/Sp)
  - **CHEM 3302 + 3102** Biochemistry II: Metabol & Bioeng (3SCH) (F/Sp)
  - **PHYS 2311 + 2111** Introduction to Physics (4SCH) (F/Sp)

**Senior Year**
- First Semester (13 SCH)
  - **CHEM 3305 + 3105** Inorganic Chemistry + Lab (4SCH) (F/Sp)
  - **CHEM 3306 + 3106** Physical Chemistry I + Lab (4SCH) (F/Sp)
  - **PHYS 2312 + 2112** Introduction to Electromagnetism & Lab (4SCH) (F/Sp)

- Second Semester (13 SCH)
  - **CHEM 3307 + 3107** Physical Chemistry II + Lab (4SCH) (F/Sp)
  - **CHEM 4211 + 4212** Instrumental Methods in Analyt Chem + Lab (4SCH) (F/Sp)

**Sample Degree Plan**
- Required Semester Credit Hours (SCH): 120
- Bachelor of Science in Chemistry (Starting with Precalculus)

**Last Updated:** May 2023

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